



STIC Search Report

EIC 3700

STIC Database Tracking Number: 148365

**TO: Linda Sholl
Location: RND 8a31
Art Unit: 3700
Monday, March 21, 2005**

Case Serial Number: 10/806087

**From: Terry Solomon
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RND 8b31
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Search Notes

No past or current litigation found pertaining to US pat. 6672846.

Sources:

Lexis/Nexis
Questel-Orbit

842349 (09) 6672846 January 6, 2004

Time of Request: March 21, 2005 02:08 PM EST

Research Information:

Utility, Design and Plant Patents
patno=6672846

UNITED STATES PATENT AND TRADEMARK OFFICE GRANTED PATENT

6672846

January 6, 2004

Capacity modulation for plural compressors

REISSUE: March 22, 2004 - Reissue Application filed Ex. Gp.: 3748; Re. S.N. 10/806,087 (O.G. June 22, 2004)

CERT-CORRECTION: April 6, 2004 - a Certificate of Correction was issued for this patent (O.G. April 27, 2004)

APPL-NO: 842349 (09)

FILED-DATE: April 25, 2001

GRANTED-DATE: January 6, 2004

ASSIGNEE-AT-ISSUE: Copeland Corporation, Sidney, Ohio, 02

ASSIGNEE-AFTER-ISSUE: April 25, 2001 - ASSIGNMENT OF ASSIGNORS INTEREST (SEE DOCUMENT FOR DETAILS)., COPELAND CORPORATION 1675 W. CAMPBELL ROAD SIDNEY OHIO 45365, Reel and Frame Number: 11757/0024

LEGAL-REP: Harness, Dickey & Pierce, P. L.C.

Selected file: PLUSPAT
PLUSPAT - (c) Questel-Orbit, All Rights Reserved.
Comprehensive Worldwide Patents database

**** SS 1: Results 1**
PRT SS 1 MAX 1 LEGALALL

1 / 1 PLUSPAT - @QUESTEL-ORBIT - image
Patent Number :
US2002159898 A1 20021031 [US20020159898]
Patent Number 2 :
US6672846 B2 20040106 [US6672846]
Title :
(A1) Plural compressors
Patent Assignee :
(B2) COPELAND CORP (US)
Patent Assignee :
Copeland Corporation, Sidney OH [US]
Patent Assignee 2 :
(B2) COPELAND CORP (US)
Inventor(s) :
(A1) KNAPKE CARL H (US); RAJENDRAN RAJAN (US); SHERIDAN JOHN P (US)
Application Nbr :
US84234901 20010425 [2001US-0842349]
Priority Details :
US84234901 20010425 [2001US-0842349]
Intl Patent Class :
(A1) F04B-017/00 F04B-035/04 F04B-049/00
EPO ECLA Class :
F04C-023/00B
F04C-023/00D
F04C-029/00B2
F04C-029/04B
F04C-029/08B
F04C-029/10F
EPO ICO Class :
R04C-018/02B2
US Patent Class :
ORIGINAL (O) : 417410500; CROSS-REFERENCE (X) : 417426000 418055100
Document Type :
Corresponding document
Citations :
Cited; US5800141; US6206652; US6213731; US6267572; US6280154;
JP56165701; JP5738690; JP0294987; JP04121474; JP404203489; Cited;
US4105374; US4205537; US4252506; US4277955; US4358254; US4396360;
US4515539; US5211031; US5328344; US5385453; US6193473
Publication Stage :
(A1) Utility Patent Application published on or after January 2, 2001
Publication Stage 2 :
(B2) U.S. Patent (with pre-grant pub.) after Jan. 2, 2001
Abstract :
A compressor system includes a pair of compressors located in a common shell. A common drive shaft drives both compressors and the drive shaft is powered by a single motor. One or both of the compressors can be equipped with a pulse width modulated capacity control system and a vapor injection system. When one compressor is equipped with these systems, the capacity can be varied between 50% and 110%. When both compressors are equipped with these systems, the capacity can be varied between 0% and 120%.
Update Code :
2002-45

1 / 1 LGST - ©EPO

Patent Number :

US2002159898 A1 20021031 [US20020159898]

US6672846 B2 20040106 [US6672846]

Application Number :

US84234901 20010425 [2001US-0842349]

Action Taken :

20040406 US/CC-A

CERTIFICATE OF CORRECTION

20040622 US/RF-A

REISSUE APPLICATION FILED

EFFECTIVE DATE: 20040322

Update Code :

2004-26

1 / 1 CRXX - ©CLAIMS/RRX

Patent Number :

6,672,846 A 20040106 [US6672846]

Patent Assignee :

Copeland Corp

Actions :

20040322 REISSUE REQUESTED

ISSUE DATE OF O.G.: 20040622

REISSUE REQUEST NUMBER: 10/806087

EXAMINATION GROUP RESPONSIBLE FOR REISSUEPROCESS: 3748

Reissue Patent Number:

Session finished: 21 MAR 2005 Time 20:29:51

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